

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

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Claim 1 (currently amended): An LCD monitor, comprising:  
a circuit device, forming plural electrodes on one side thereof;  
plural bumps, respectively forming on the electrodes;  
a substrate, forming plural first pads and plural second pads in  
accordance with the bumps;  
a means of connection, comprising a plurality of conductive particles,  
conducting the bumps and the pads with the conductive particles bonded  
between; and  
a barrier structure forming on the side of the circuit device,  
separating the conductive particles, wherein the barrier structure comprises  
a plurality of first barrier ribs extending along a first direction to form a  
partition between the bumps corresponding to the first pads, a plurality of  
second barrier ribs extending along the first direction to form a partition  
between the bumps corresponding to the second pads and a plurality of third  
barrier ribs extending along a second direction to form a partition between  
the bumps corresponding to the first and the second pads.

Claim 2 (original): The LCD monitor of Claim 1, wherein the barrier structure is made by an isolating material.

Claim 3 (currently amended): The LCD monitor of Claim 2, ~~wherein the~~

~~pads include plural first pads and second pads~~, wherein the first pads are input terminals of the LCD monitor, and the second pads are output terminals of the LCD monitor.

Claim 4-6 (cancelled).

Claim 7 (currently amended): The LCD monitor of Claim 1 [[6]], wherein the first and the third barrier ribs are connected, forming a plurality of L-shaped structures.

Claim 8 (currently amended): The LCD monitor of Claim 1 [[6]], wherein the first and the third barrier ribs are connected, forming a plurality of separated T-shaped structures.

Claim 9 (currently amended): The LCD monitor of Claim 1 [[6]], wherein the second and the third barrier ribs are connected, whereby forming a plurality of L-shape structures.

Claim 10 (currently amended): The LCD monitor of Claim 1 [[6]], wherein the second and the third barrier ribs are connected, forming a plurality of separated T-shaped structure.

Claim 11 (original): The LCD monitor of Claim 2, wherein the isolating material is polyimide (PI).

Claim 12 (original): The LCD monitor of Claim 2, wherein the connecting means is an anisotropic conductive film.

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cont.

Claim 13 (original): The LCD monitor of Claim 2, wherein the bump is made of one metal selected from the group consisting of Au, Cu, Ni, and Zn.

Claim 14 (original): The LCD monitor of Claim 2, wherein the substrate is made by glass.

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Cont.  
Claim 15 (original): The LCD monitor of Claim 2, wherein the circuit device is an integrated circuit.

Claim 16 (original): The LCD monitor of Claim 2, wherein the circuit device is a flexible printed circuit.

Claim 17 (currently amended): A semiconductor device, comprising:  
an electrode formed on a base surface;

a bump formed on the electrode;

a pad comprising plural first pads and second pads;

a connecting means, comprising a plurality of conductive particles, whereby conducting the bump and the pad with the conductive particles bonded between; and

a barrier rib forming on the base surface, separating the conductive particles wherein the barrier rib comprises a plurality of first barrier ribs extending along a first direction to separate the conductive particles between the first pads, a plurality of second barrier ribs extending along the first direction to separate the conductive particles between the second pads and a plurality of third barrier ribs extending along a second direction, separating the conductive particles between the first and the second pads.

Claim 18 (currently amended): The semiconductor device of Claim 17, wherein the barrier rib is made by an isolating material;

~~the pad is further comprised of plural first pads and second pads, wherein the first pads are input terminals of a LCD monitor, and the second pads are output terminals of the LCD monitor;~~

~~the barrier rib is further comprised of a first barrier rib extending along a first direction, separating the conductive particles between the first pads;~~

~~the barrier rib is further comprised of a second barrier rib extending along the first direction, separating the conductive particles between the second pads; and~~

~~the barrier rib is further comprised of a third barrier rib extending along a second direction, separating the conductive particles between the first and the second pads.~~

Claim 19 (currently amended): The semiconductor device of Claim 18, wherein the first and the second barrier rib are respectively connected to the third barrier rib, forming a plurality of L-shaped structures.

Claim 20 (currently amended): The semiconductor device of Claim 18, wherein the first and the second barrier ribs are respectively connected to the third barrier rib, forming a plurality of separated T-shaped structures.

Claim 21 (original): The semiconductor device of Claim 18, wherein the isolating material is polyimide;

the connecting means is an anisotropic conductive film; and

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Cont.

the bump is made by one metal selected from the group consisting of AU, Cu, Ni, and Zn.

Claim 22 (currently amended): A method for making a semiconductor device, comprising the steps of:

A6 providing a circuit device, wherein the circuit device is formed with plural electrodes on one side thereof;

forming a protective layer on the side of the circuit device with the electrodes exposed;

forming plural bumps on the protective layer in accordance with the electrodes, and conducting the electrodes and the bumps; and

forming ~~plural~~ a plurality of first, second and third barrier ribs on the side of the circuit device, thereby separating the bumps.

Claim 23 (new): The LCD monitor of Claim 1, wherein the first barrier ribs are perpendicular to the third barrier ribs.

Claim 24 (new): The LCD monitor of Claim 1, wherein the first barrier ribs are parallel to the second barrier ribs.

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